



## HNP103-OD4X 3MP Network Mini PTZ Dome Camera



### Key Features

This Micro-designed 3" PTZ Mini Dome Camera shows the easiest installation, adjustment and maintenance that you have ever seen. It is a fantastic and practical camera for outdoor. In addition, the HNP103-OD4X support 4X zoom technology, and PoE&12VDC power supply. Embedded with 1/2.8" progressive scan CMOS chip makes DWDR and 3MP real-time resolution possible. With the pan/tilt and 4X zoom Day/Night lens, the camera offers more details in the outdoor environments.

Perfect View Mini PTZ Dome Cameras also features a wide range of functions, including intrusion detection, line crossing detection, motion detection and audio exception, benefitting users with great improvement on security efficiency, more importantly, with key events / objects being recorded for further forensic needs.

- 1/ 2.8" progressive scan CMOS
- Up to 2048x1536 resolution
- 4X Optical Zoom
- DWDR
- Support IP67/IK10
- PoE(802.3af)
- Support RS485
- Support plug & play

## Function Description

### **Basic Function**

- High performance CMOS, up to 2048x1536@30fps resolution
- $\pm 0.1^\circ$  Preset Accuracy
- ONVIF (Open Network Video Interface Forum), CGI (Common Gateway Interface), ISAPI, to ensure greater interoperability between different platforms and compatibility
- 3D intelligent positioning function
- Power-off memory function: restore PTZ & Lens status after reboot
- Support RS485
- Support IP67/IK10
- PoE(802.3af)

### **Functions**

- Detections: intrusion detection, line crossing detection, audio exception detection, motion detection
- Recording: edge recording, support smart search in smart NVR
- Support low bit rate, ROI

### **Camera Function**

- Auto iris, auto focus, auto white balance, backlight compensation and auto day & night switch
- Min Illumination: 0.05 Lux @ (F1.6, AGC ON)(Color), 0.01 Lux @ (F1.6, AGC ON)(B/W)
- Support 8 privacy masks

### **PTZ Functions**

- 0-350° pan range and 0°-90° tilt range
- 0.1°-60°/s Manual pan speed and 0.1°-50°/s manual tilt speed
- 300 presets programmable
- 8 patrols, up to 32 presets per patrol

### **Network Function**

- Built-in Web server
- Micro SD card local storage, up to 128 GB
- Support up to 8 NAS storage; Transmit the videos from SD card to the NAS after network resumed
- HTTPS encryption and IEEE 802.1x port-based network access control
- Support three streams H.265+/H.265/H.264+/H.264/MJPEG video compression; Basic and advanced video configuration; Real time video at 2048 x 1536
- Multiple network protocols supported: IPv4/IPv6, TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS Support IP67/IK10
- 1 audio input and 1 audio output
- 1 alarm input and 1 alarm output, alarm linkage support preset, recording, relay output, upload center, etc.

## Specifications

<b>Camera Module</b>	
Image Sensor	1/ 2.8" Progressive Scan CMOS
Min Illumination	F1.6, AGC On : Color : 0.05 lux, B/W : 0.01 lux
Max Image Resolution	2048x1536
Focal Length	2.8~12mm, 4X
Digital Zoom	16X
Zoom Speed	Approx 1s (Wide-tele)
Angle of View	105~33.5 degree (Wide-tele)
Aperature Range	F1.6~F2.7
Focus Mode	Auto/Semiautomatic/Manual
DWDR	Support
Shutter Time	1/1-1/10,000s
AGC	Auto/Manual
White Balance	Auto/Manual/ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp
Day & Night	IR Cut Filter
Privacy Mask	8 privacy masks programmable
Enhancement	3D DNR, HLC/BLC
<b>Pan and Tilt</b>	
Range	Pan: 0~350°; Tilt: 0°~90°
Speed	Pan Manual Speed: 0.1°~60°/s Tilt Manual Speed: 0.1°~50°/s
Number of Preset	300
Patrol	8 patrols, up to 32 presets per patrol
Park Action	Preset/Patrol
Scheduled Task	Preset/Reboot/Patrol/Self test/Aux Output
<b>Features</b>	
Detection	Intrusion detection, line crossing detection, audio exception detection, motion detection
ROI encoding	Support 4 areas with adjustable levels
<b>Alarm</b>	
Alarm I/O	1/1
Alarm Trigger	Tampering alarm, Network disconnect, IP address conflict, Storage exception
Alarm Action	Preset, Recording, Relay output, Upload center, Upload FTP, Email linkage
<b>Input/Output</b>	
Audio Input	1 audio input (Mic/Line in), 2~2.4V[p-p]; output impedance: 1K $\Omega$ , $\pm$ 10%
Audio Output	1 output, Line level, impedance: 600 $\Omega$
<b>Network</b>	
Ethernet	10Base-T/100Base-TX, RJ45 Connector
Stream	Support three streams
Main Stream	50Hz:25fps (2048 $\times$ 1536,1920 $\times$ 1080,1280 $\times$ 960,1280 $\times$ 720), 50fps (1280 $\times$ 960,1280 $\times$ 720) 60Hz: 30fps(2048 $\times$ 1536,1920 $\times$ 1080,1280 $\times$ 960,1280 $\times$ 720), 60fps (1280 $\times$ 960,1280 $\times$ 720)

Sub Stream	50Hz: 25fps (704 × 576), 25fps (640 × 480), 25fps (320 × 288) 60Hz: 30fps (704 × 480), 30fps (640 × 480), 30fps (320 × 240)
Third Stream	50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480, 320 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480, 320 × 240)
Image Compression	H.265+/H.265/H.264+/H.264/MJPEG
Audio Compression	G.711ulaw/G.711alaw/G.726/MP2L2/G.722/PCM
Protocols	IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP,IGMP,ICMP,DHCP, PPPoE
Simultaneous Live View	Up to 20-ch
User/Host level	Up to 32 users, 3 levels: Administrator, Operator, User
Security measures	User authentication (ID and PW); Host authentication (MAC address); IP address filtering
Mini SD Memory Card	Support up to 128GB Micro SD/SDHC/SDXC card. Support Edge Recording
<b>System Integration</b>	
Application Programming	Open-ended API, support ONVIF, ISAPI, CGI and Genetec
Web Browser	IE 7+, Chrome, Firefox, Safari
Power	POE (802.3af, class3) & 12 VDC, Max 8W
Working Temperature	-30°C ~ 65°C (-22°F ~ 149°F)
Humidity	90% or less
Protection Level	IP67, IK10, TVS 4,000V lightning protection, surge protection and voltage transient protection
Certification	FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC /EN60950-1
Dimensions	Φ140.7×107.2mm
Weight	950g
Mount Option	Wall mount: DS-1273ZJ –PT6; In-ceiling Mount: 1227ZJ-PT6; Junction Box: DS-1280ZJ –PT6

## Available Models:

HNP103-OD4X

## Dimensions

